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Records for: **PN=US 5830529**

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☐ 1. 2/19/1 (Item 1 from file: 351)

011394785 **Image available**

WPI Acc No: 1997-372692/199734

XRPX Acc No: N97-309480

Printing process perimeter coating alignment - has number of layers of ink which can be built up in same manner to develop pattern which provides different information when viewed from each side of glass

Patent Assignee: ROSS G E (ROSS-I)

Inventor: ROSS G E

Number of Countries: 067 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9725158	A1	19970717	WO 97US46	A	19970108	199734 B
AU 9713577	A	19970801	AU 9713577	A	19970108	199748
			WO 97US46	A	19970108	
US 5830529	A	19981103	US 969696	A	19960111	199851
			US 97780594	A	19970108	
EP 1015135	A1	20000705	EP 97900865	A	19970108	200035
			WO 97US46	A	19970108	

Priority Applications (No Type Date): US 969696 A 19960111; US 97780594 A 19970108

Cited Patents: US 3990784; US 4300934; US 4545838; US 5432258; US 5449426; US 5525177

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9725158 A1 E 49 B05D-003/12

Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9713577 A B05D-003/12 Based on patent WO 9725158

US 5830529 A B41M-003/12 Provisional application US 969696

EP 1015135 A1 E B05D-003/12 Based on patent WO 9725158

Designated States (Regional): AT BE CH DE DK ES FI FR GB IT LI NL SE

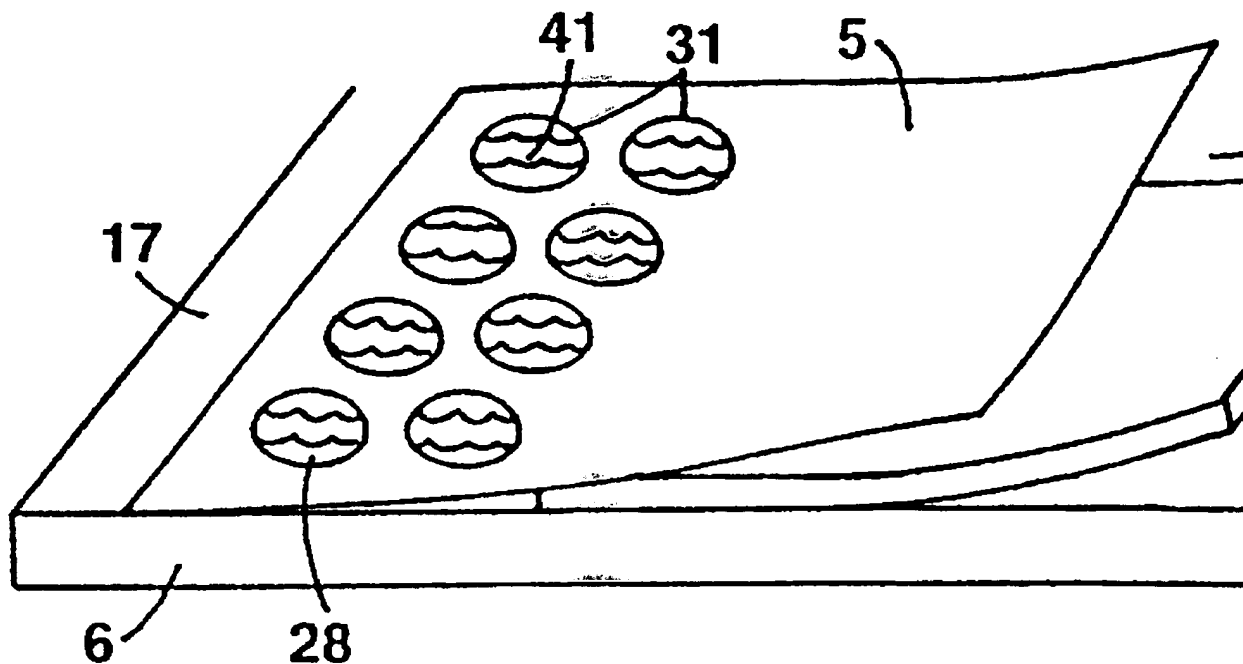
Abstract (Basic): WO 9725158 A

The paper base (1) with multi layer coating (5) is laid over the glass substrate (6) and is aligned. The paper layer is wetted and is removed in direction (66) leaving the ink pattern on the glass.

Surplus water is removed and the ink pattern is then fired onto the glass. A number of layers of ink can be built up in the same manner to develop a pattern which provides different information when viewed from each side of the glass.

ADVANTAGE - The accurate deposition of a number of different layers allows complex patterns to be developed.

Dwg. 7D/11



Title Terms: PRINT; PROCESS; PERIMETER; COATING; ALIGN; NUMBER; LAYER; INK;
CAN; BUILD; UP; MANNER; DEVELOP; PATTERN; INFORMATION; VIEW; SIDE; GLASS
Derwent Class: P42; P73; P75; P78
International Patent Class (Main): B05D-003/12; B41M-003/12
International Patent Class (Additional): B05D-001/36; B05D-003/00; B05D-005/06
; B32B-003/18; B32B-031/00; B44C-001/165
File Segment: EngPI

Derwent WPI (D)

☐ 2. 2/19/2 (Item 2 from file: 345)

14758366

Basic Patent (No,Kind,Date): WO 9725158 A1 19970717

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9713577 A1 19970801
 PERIMETER COATING ALIGNMENT (English)
 Patent Assignee: GREGORY E ROSS
 Author (Inventor): ROSS GREGORY E
 Priority (No,Kind,Date): US 9696 P 19960111; WO 97US46 W 19970108
 Applic (No,Kind,Date): AU 9713577 A 19970108
 IPC: * B05D-003/12; B05D-005/06; B32B-003/18; B41M-003/12; B44C-001/165
 Derwent WPI Acc No: * G 97-372692
 Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 1015135 A1 20000705
 PERIMETER COATING ALIGNMENT (English; French; German)
 Patent Assignee: ROSS GREGORY EDYE (US)
 Author (Inventor): ROSS GREGORY EDYE (US)
 Priority (No,Kind,Date): WO 97US46 W 19970108; US 9696 P 19960111
 Applic (No,Kind,Date): EP 97900865 A 19970108
 Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; IT; LI; NL; SE
 IPC: * B05D-003/12; B05D-005/06; B32B-003/18; B41M-003/12; B44C-001/165
 CA Abstract No: * 127(10)137125E
 Derwent WPI Acc No: * G 97-372692
 Language of Document: English

Patent (No,Kind,Date): EP 1015135 A4 20010131
 PERIMETER COATING ALIGNMENT (English; French; German)
 Patent Assignee: ROSS GREGORY EDYE (US)
 Author (Inventor): ROSS GREGORY EDYE (US)
 Priority (No,Kind,Date): WO 97US46 W 19970108; US 9696 P 19960111
 Applic (No,Kind,Date): EP 97900865 A 19970108
 Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; IT; LI; NL; SE
 IPC: * B05D-003/12; B05D-005/06; B32B-003/18; B41M-003/12; B44C-001/165; B44F-001/10
 CA Abstract No: * 127(10)137125E
 Derwent WPI Acc No: * G 97-372692
 Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):
 EP 1015135 P 19960111 EP AA PRIORITY (PRIORITAET)
 US 9696 P 19960111
 EP 1015135 P 19970108 EP AA PCT-APPLICATION
 (PCT-ANMELDUNG)
 WO 97US46 W 19970108
 EP 1015135 P 19970108 EP AE EP-APPLICATION (EUROPAEISCHE
 ANMELDUNG)
 EP 97900865 A 19970108
 EP 1015135 P 20000705 EP AK DESIGNATED CONTRACTING STATES
 IN AN APPLICATION WITH SEARCH REPORT: (IN EINER
 ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FI FR GB IT LI NL SE
 EP 1015135 P 20000705 EP A1 PUBLICATION OF APPLICATION WITH
 SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG
 MIT RECHERCHENBERICHT)
 EP 1015135 P 20000705 EP 17P REQUEST FOR EXAMINATION FILED
 (PRUEFUNGSANTRAG GESTELLT)
 19990422
 EP 1015135 P 20010131 EP AK DESIGNATED CONTRACTING STATES
 MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN
 EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE
 VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB IT LI NL SE
 EP 1015135 P 20010131 EP A4 SUPPLEMENTARY SEARCH REPORT
 (ERGAENZENDER RECHERCHENBERICHT)
 20001214
 EP 1015135 P 20010131 EP R1C1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7B 05D 3/12 A, 7B 05D 5/06 B, 7B 32B 3/18 B, 7B
 41M 3/12 B, 7B 44C 1/165 B, 7B 44F 1/10 B

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5830529 A 19981103
 PERIMETER COATING ALIGNMENT (English)
 Patent Assignee: ROSS GREGORY E (US)
 Author (Inventor): ROSS GREGORY E (US)
 Priority (No,Kind,Date): US 780594 A 19970108; US 9696 P 19960111
 Applic (No,Kind,Date): US 780594 A 19970108
 National Class: * 427152000; 427146000; 427148000; 427149000; 427258000;
 427270000; 427271000; 427276000; 427375000; 427402000; 156230000;
 156240000; 156239000; 156252000
 IPC: * B41M-003/12; B05D-003/00; B05D-001/36; B32B-031/00
 CA Abstract No: * 127(10)137125E
 Derwent WPI Acc No: * G 97-372692
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
 US 5830529 P 19960111 US AA PRIORITY
 US 9696 P 19960111
 US 5830529 P 19970108 US AE APPLICATION DATA (PATENT)
 (APPL. DATA (PATENT))
 US 780594 A 19970108
 US 5830529 P 19981103 US A PATENT

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9725158 A1 19970717
 PERIMETER COATING ALIGNMENT (English)
 Patent Assignee: ROSS GREGORY E (US)
 Author (Inventor): ROSS GREGORY E (US)
 Priority (No,Kind,Date): US 9696 P 19960111
 Applic (No,Kind,Date): WO 97US46 A 19970108
 Designated States: (National) AM; AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ;
 DE; DK; EE; ES; FI; GB; GE; HU; IS; JP; KE; KG; KP; KR; KZ; LK; LR; LT;
 LU; LV; MD; MG; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK;
 TJ; TM; TT; UA; UG; US; UZ; VN (Regional) KE; LS; MW; SD; SZ; UG; AT;
 BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ;
 CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG
 Filing Details: WO 130000 With international search report; Before
 expiration of time limit for amending the claims and to be republished
 in the event of the receipt of the amendments
 IPC: * B05D-003/12; B05D-005/06; B32B-003/18; B41M-003/12; B44C-001/165
 CA Abstract No: * 127(10)137125E; 127(10)137125E
 Derwent WPI Acc No: * G 97-372692; G 97-372692
 Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):
 WO 9725158 P 19960111 WO AA PRIORITY CLAIMED
 US 9696 P 19960111
 WO 9725158 P 19970108 WO AE APPLICATION DATA (APPL. DATA)
 WO 97US46 A 19970108
 WO 9725158 P 19970717 WO AK DESIGNATED STATES CITED IN A
 PUBLISHED APPLICATION WITH SEARCH REPORT
 (DESIGNATED STATES CITED IN A PUBLISHED APPL.
 WITH SEARCH REPORT)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI
 GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD
 MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ
 TM TT UA UG US UZ VN

WO 9725158 P 19970717 WO AL DESIGNATED COUNTRIES FOR
 REGIONAL PATENTS CITED IN A PUBLISHED
 APPLICATION WITH SEARCH REPORT (DESIGNATED
 COUNTRIES FOR REGIONAL PATENTS CITED IN A
 PUBLISHED APPL. WITH SEARCH REPORT)
 KE LS MW SD SZ UG AT BE CH DE DK ES FI FR GB GR
 IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML
 MR NE SN TD TG

WO 9725158 P 19970717 WO A1 PUBLICATION OF THE
 INTERNATIONAL APPLICATION WITH THE INTERNATIONAL
 SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL.
 WITH THE INTERNATIONAL SEARCH REPORT)

WO 9725158 P 19970912 WO DFPE REQUEST FOR PRELIMINARY
 EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH
 MONTH FROM PRIORITY DATE

WO 9725158 P 19971008 WO 121 EP: PCT APP. ART. 158 (1) (EP:
 PCT ANM. ART. 158 (1))

WO 9725158 P 19980904 WO NENP NON-ENTRY INTO THE NATIONAL
 PHASE IN:
 JP 97525283

WO 9725158 P 19981112 DE 8642/REG WITHDRAWAL (ZURUECKNAHME)

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